## WHAT IS CLAIMED IS:

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- 1. A program product that helps service processes receive instructions from an operator, the program product causing a computer system to perform a process comprising the steps of:
- (a) storing an inquiry to the operator in an inquiry buffer, upon issuance thereof from a service process;
- 10 (b) retrieving the inquiry pending in the inquiry buffer and sending the retrieved inquiry to the first client over a network, in response to a first delivery request from a first client;
- (c) forwarding a reply received from the first.

  15 client to the service process, as well as storing the received reply and corresponding inquiry as a log record in a log memory; and
  - (d) retrieving log records from the log memory and sending the retrieved log records to a second client on the network, in response to a second delivery request from the second client.
  - 2. The program product according to claim 1, wherein the first and second clients are implemented on a single computer platform.
    - 3. The program product according to claim 1,

## wherein:

the second delivery request contains search conditions for the log memory; and

said log record retrieving step (d) retrieves log records that match with the search conditions specified by the second client.

- 4. The program product according to claim 1, wherein:
- the second delivery request from the second client requests delivery of a message log record; and

in response to the second delivery request for the message log record, said log record retrieving step (d) retrieves a log record and sends inquiry-related part of the retrieved log record to the second client.

5. The program product according to claim 1, wherein:

requests delivery of a reply log record; and

in response to the second delivery request for the reply log record, said log record retrieving step (d) retrieves a log record and sends reply-related part of the retrieved log record to the second client.

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6. The program product according to claim 5, wherein:

the second delivery request from the second client requests delivery of a reply log record associated with a particular inquiry; and

said log record retrieving step (d) retrieves log.

5 records that match with the particular inquiry specified in the second delivery request and sends reply-related part of the retrieved log records to the second client.

- 7. The program product according to claim 1,

  wherein the inquiries sent at said inquiry sending step

  (b) include a list of possible answers to one of the inquiries.
- 8. The program product according to claim 1,

  15 wherein said inquiry sending step (b) consults the logmemory before sending the pending inquiry to retrieve
  records of past replies that were made to inquiries about
  the same subject as the pending inquiry to be sent, and
  sends the retrieved records of past replies together with

  20 the pending inquiries.
  - 9. The program product according to claim 1, further comprising the step of notifying the service process of cancellation of the pending inquiry if there is no reply to the pending inquiry within a specified timeout period.

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10. The program product according to claim 9, wherein:

the timeout period is specified in the pending inquiry sent at said inquiry sending step (b); and

said notifying step notifies the service process of cancellation when expiration time of the pending inquiry is reached, the expiration time being calculated by adding the specified timeout period to issuance time of the pending inquiry.

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The program product according to claim 10, wherein:

the timeout period is indirectly specified by a timeout period identifier of the pending inquiry; and

said notifying step calculates the expiration time with reference to a predefined timeout period table that associates a plurality of timeout period identifiers with corresponding timeout periods.

- 12. The program product according to claim 1, further comprising the step of dispatching a command upon receipt of the reply to the pending inquiry, wherein the command is previously associated with the pending inquiry so as to initiate a particular processing task related thereto.
  - 13. The program product according to claim 12,

wherein said command dispatching step adds the received reply as a parameter of the command to be dispatched.

- 14. A method that helps service processes

  5 receive instructions from an operator, the method comprising the steps of:
  - (a) storing an inquiry to the operator in an inquiry buffer, upon issuance thereof from a service process;
- 10 (b) retrieving the inquiry pending in the inquiry buffer and sending the retrieved inquiry to the first client over a network, in response to a first delivery request from a first client;
- (c) forwarding a reply received from the first.

  15 client to the service process, as well as storing the received reply and corresponding inquiry as a log record in a log memory; and
  - (d) retrieving log records from the log memory and sending the retrieved log records to a second client on the network, in response to a second delivery request from the second client.
    - 15. An apparatus that helps service processes receive instructions from an operator, comprising:
- an inquiry buffer that stores inquiries;

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a log memory that stores records of past inquiries and corresponding replies;

an inquiry receiver that receives an inquiry from the service processes and stores the received inquiry in said inquiry buffer;

an inquiry message sender, responsive to a first delivery request from a first client, which retrieves the inquiry pending in said inquiry buffer and sends the retrieved inquiry to the first client over a network;

a reply message receiver, responsive to a reply received from the first client, which forwards the received reply to the service process, as well as storing the received reply and corresponding inquiry as a log record in said log memory; and

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- a log record sender, responsive to a second delivery request from a second client on the network, which retrieves log records from said log memory and sends the retrieved log records to the second client.
- a program: that helps service processes received instructions from an operator, the program: causing a computer system to perform a process comprising the steps of:
- (a) storing an inquiry to the operator in an inquiry buffer, upon issuance thereof from a service process;
  - (b) retrieving the inquiry pending in the inquiry buffer and sending the retrieved inquiry to the

first client over a network, in response to a first delivery request from a first client;

(c) forwarding a reply received from the first client to the service process, as well as storing the received reply and corresponding inquiry as a log record in a log memory; and

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- (d) retrieving log records from the log memory and sending the retrieved log records to a second client on the network, in response to a second delivery request from the second client.
- 17. An apparatus that helps service processes receive instructions from an operator, comprising:

inquiry buffer means for storing inquiries;

log: memory means for storing records of past inquiries and corresponding replies;

inquiry receiving means for receiving an inquiry from the service processes and stores the received inquiry in said inquiry buffer means;

- inquiry message sending means, responsive to a first delivery request from a first client, for retrieving the inquiry pending in said inquiry buffer means and sending the retrieved inquiry to the first client over a network;
- reply message receiving means, responsive to a reply received from the first client, for forwarding the received reply to the service process and storing the

received reply and corresponding inquiry as a log recording said log memory means; and

log record sending means, responsive to a second delivery request from a second client on the network, for retrieving log records from said log memory means and sending the retrieved log records to the second client.